



287229US0XPCT

SEQUENCE LISTING

<110> GUILHOT, Christophe  
DAFFE, Mamadou  
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<120> USE OF PKS 13 PROTEIN CODING FOR CONDENSASE OF MYCOLIC ACIDS OF  
MYCOBACTERIA AND RELATED STRAINS AS AN ANTIBIOTICS TARGET

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<140> 10/570,661

<141> 1006-03-06

<150> PCT/FR04/02257

<151> 2004-09-06

<150> FR 0310470

<151> 2003-09-04

<160> 31

<170> PatentIn version 3.1

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<212> PRT

<213> Mycobacterium tuberculosis

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Val Glu Leu Gly Leu Ser Ser Arg Asp Ala Val Ala Met Ala Ala Asp  
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Ile Glu Asp Leu Thr Gly Val Thr Leu Ser Val Ala Val Ala Phe Ala  
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His Pro Thr Ile Glu Ser Leu Ala Thr Arg Ile Ile Glu Gly Glu Pro  
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Glu Thr Asp Leu Ala Gly Asp Asp Ala Glu Asp Trp Ser Arg Thr Gly  
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Gly Arg Asp Gly Ile Thr Asp Leu Pro Asp Gly Arg Trp Ser Glu Phe  
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Gly Gly Tyr Leu Lys Asp Ile Lys Gly Phe Asp Ser Glu Phe Phe Ala  
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 Phe Ala Glu Lys Thr Phe Asn Val Thr Ile Pro Ala Ile Pro Tyr Glu  
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 Gln Leu Glu Glu Leu Asp Asp Glu Gly Gln Val Arg Phe Val Leu Asp  
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 Gln Arg Thr Ser Tyr Leu Asp Asn Arg Ala Ile Asp Thr Ala Gln Ile  
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 Asp Asp Ala Ile Met Phe Glu Pro Arg Tyr Ala Val Arg Gln Pro Asp  
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 Gly Gly Trp Gly Glu Tyr Val Ser Asp Leu Glu Val Val Pro Ile Gly  
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 Arg Asp Val Val Val Leu Ser Gly Glu Leu Glu Asn Leu Leu Asp Thr  
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 Ser Leu Asp Ala Thr Ile Ala Tyr Glu Tyr Pro Thr Ile Arg Ser Leu  
 65 70 75 80  
 Ala Gln Arg Leu Val Glu Gly Glu Pro Arg Arg Ala His Thr Gln Arg  
 85 90 95  
 Glu Leu Asn Phe Ser Ala Val Ser Asp Ser Pro Gly Ser His Asp Ile  
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 Ala Val Val Gly Met Ala Ala Arg Tyr Pro Gly Ala Glu Ser Leu Glu  
 115 120 125  
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 Pro Ile Gly Arg Trp Ser Glu Tyr Ala Gly Asp Glu Val Met Ser Arg  
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 Lys Met Glu Glu Phe Ser Thr Ile Gly Gly Tyr Leu Ser Asp Ile Ser  
 165 170 175  
 Ser Phe Asp Ala Glu Phe Phe Gly Leu Ser Pro Leu Glu Ala Ala Asn  
 180 185 190  
 Met Asp Pro Gln Gln Arg Ile Leu Leu Glu Leu Thr Trp Glu Ala Leu  
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Leu	Gly	Tyr 435	Gly	Arg	Asp	Ala	Ser 440	Thr	Pro	Thr	Leu	Leu 445	Gly	Ser	Ala				
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Ile 465	Lys	Val	Leu	Leu	Ala 470	Leu	Gln	Asn	Lys	Thr 475	Leu	Pro	Pro	Thr	Val 480				
Asn	Phe	Ala	Gly	Pro 485	Asn	Arg	Tyr	Ile	Asp 490	Phe	Asp	Ala	Glu	Arg 495	Leu				
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Val	Ala	Gly 515	Val	Ser	Ala	Phe	Gly 520	Phe	Gly	Gly	Thr	Asn 525	Ala	His	Val				
Val	Ile 530	Ser	Glu	Tyr	Asn	Ala 535	Glu	Asp	Tyr	Glu	Thr 540	Arg	Ala	Pro	Lys				
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Tyr	Val	Asn	Gly	Ala	Asn	Val	Asp	Phe	Ser	Ala	Leu	Tyr	Gly	Glu	Gly	



Glu Thr Ile Asp Pro Pro His Ile Thr Trp Lys His Gln Arg Phe Trp  
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 gaggacatat ggctgacgta gcggaatc 28

<210> 6  
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 cggtgaaagc ttctgcttgc ctacctcact tg 32

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<210> 9  
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<210> 10  
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<400> 10  
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<210> 13  
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<210> 14  
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<210> 15  
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<210> 16  
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<210> 17  
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<400> 17  
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<210> 18  
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<212> DNA  
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<223> PCR primer : pk1

<400> 18  
gccgtgacgg tatctcgg 18

<210> 19  
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<220>  
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<400> 19  
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<210> 20  
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<220>  
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<210> 28  
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<210> 29  
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<210> 30  
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<400> 30  
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<220>  
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